

RUFY4 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15968**Specification**

RUFY4 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q6ZNE9
Other Accession	NM_198483 , NP_940885
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62kDa KDa

RUFY4 Antibody - C-terminal region - Additional Information**Gene ID** 285180**Other Names**

RUN and FYVE domain-containing protein 4, RUFY4

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-RUFY4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

RUFY4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RUFY4 Antibody - C-terminal region - Protein Information**Name** RUFY4**Function**

ARL8 effector that promotes the coupling of endolysosomes to dynein-dynactin for retrograde transport along microtubules. Acts by binding both GTP-bound ARL8 and dynein-dynactin. In nonneuronal cells, promotes concentration of endolysosomes in the juxtanuclear area. In hippocampal neurons, drives retrograde transport of endolysosomes from the axon to the soma (PubMed:35314674). Positive regulator of macroautophagy in dendritic cells. Increases autophagic flux, probably by stimulating both autophagosome formation and facilitating tethering with lysosomes. Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through its FYVE-type zinc finger (PubMed:26416964). Positive regulator of osteoclast bone-resorbing activity, possibly by promoting late endosome-lysosome fusion by acting as an adapter protein between RAB7A on late endosomes and LAMP2 on primary lysosomes (By similarity).

Cellular Location

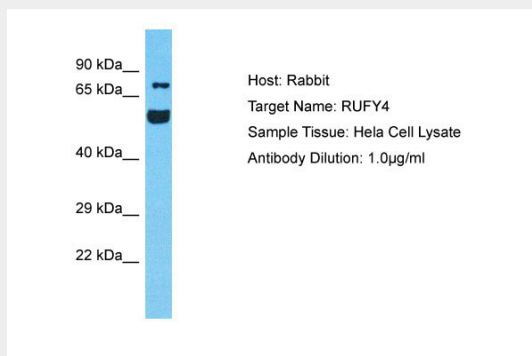
Cytoplasmic vesicle, autophagosome. Lysosome Note=In the presence of ARL8, recruited to endolysosomes

RUFY4 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RUFY4 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: RUFY4
Sample Tissue: Hela Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

RUFY4 Antibody - C-terminal region - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).